

Digitized by the Internet Archive
in 2011 with funding from
University of Toronto



CONTRIBUTIONS OF THE
ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

NO. 5: CATALOGUE OF TYPES IN THE ROYAL
ONTARIO MUSEUM OF PALAEONTOLOGY

BY Madeleine A. Fritz

PART I

MAY, 1941

CATALOGUE OF TYPES IN THE ROYAL ONTARIO MUSEUM OF PALAEONTOLOGY

By Madeleine A. Fritz
Assistant Director of Invertebrate Palaeontology

PART I

INTRODUCTION

In the year 1939 the Royal Ontario Museum celebrated its twenty-fifth anniversary. While engaged in preparing an outline of the history and development of the Museum of Palaeontology¹, one of the five component parts of the institution as a whole, the writer discovered that among the invertebrate collections there were over twelve hundred type specimens. No attempt had been made up to that time to publish a catalogue of these types. In view of the fact that these specimens are among the most valuable in the collections and since there is a growing demand on the part of palaeontologists to know the whereabouts of palaeontological types it seemed desirable that a list of these types should be made available to others interested in this particular field of science.

During the past year, therefore, a beginning was made. The types included in the following biological groups were assembled and studied: *Protozoa*, *Porifera*, *Anthozoa*, *Stromatoporoidea*, and *Graptozoa*.

Part I of this catalogue deals with these five groups only. In the course of time the remaining forms will be similarly studied and catalogued lists will be subsequently published.

FORM OF CATALOGUE











The various groups have been considered in biological order beginning with the *Protozoa* and ending with the *Graptozoa*.




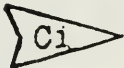
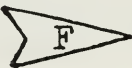




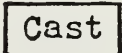
In considering each type the generic and specific name, in current use at the present time, is indicated in capital letters at the left side of the first line. The species name is immediately followed by that of the author, and it in turn by the kind of type represented together with the number of specimens.

Should the name of the species have been changed in the course of time the original name is included in italics on the second line. On the following lines are: (1) literature reference, (2) the general geological age and the more specific geological horizon, (3) the geographical locality, (4) the catalogue number.

MARKING OF TYPE SPECIMENS

Special care has been taken in the matter of marking the individual specimens. The method followed for the most part is that adopted by the Paleontological Society in 1930². In addition, the new terms neoparatype³, diplotype⁴, allogenotype⁵, and tophomeotype⁶ are recognized. The following symbols have been employed:

Kinds of Type Specimens		Recommended Marks	
Basic Types	Holotype		COLOURED
	Cotype or Syntype	 or 	
	Paratype		
	Lectotype		
	Neotype		
	Neoparatype		GOLD
	Diplotype		
	Allogenotype		
	Tophomeotype		

Supplementary Types	Plesiotype (or Hypotype)		SILVER
	Heautotype		
	Allotype		
Unessential Published Types	Onomatype (Cited)		WHITE
	Morphotype (Figured)		
Unessential Unpublished Types	Topotype		WHITE
	Metatype		
	Homeotype		
	Ideotype		
	Casts		

DEFINITION OF TYPES

Since certain of the types mentioned in the above list are still unfamiliar to palaeontologists in general it is felt that it might be helpful to include here descriptions of the various kinds of types with which the writer has become familiar during the preparation of this catalogue.

These definitions follow:

Holotype -- A single specimen on which a new species or subspecies is based.

Cotype (or Syntype) -- Two or more specimens on which a new species or subspecies is based, no one specimen being designated as the holotype.

Paratype -- A specimen mentioned as having been used in addition to the holotype in preparing the original description of a new species or subspecies for which a holotype is designated.

Lectotype -- A single specimen selected by a later worker from the original cotypes of a species or subspecies as the holotype of that species or subspecies when the later worker finds that the original cotypes do not all belong to a single species or subspecies.

Neotype -- A specimen selected to take the place of an original type of a species or subspecies when the original type has been lost. A neotype may be either a neoholotype or a neocotype.

Neoparatype -- A figured specimen or specimens used in addition to the neoholotype and neocotypes in the redefinition of a species whose original types have all been lost and for which neotypes are being designated.

Diplotype -- The special term applied to a specimen that is the type of a species and, in turn, the type of a genus.

Allogenotype -- A species used in the redefinition of a genus because it furnishes important information not supplied by the known specimens of the genotype.

Tophomeotype -- A specimen collected from the same locality as the original types and, also, carefully identified by an authority.

Plesiotype (or *Hypotype*) -- A specimen which was not used in the original description of a species or subspecies but which is used for a later description or figure of it.

Heautotype -- A specimen figured by an author as an illustration of a species or subspecies which has previously been described as new by him.

Allotype--A specimen chosen by the original author for a species or subspecies, in addition to the holotype, to show some part of the body not shown in the holotype.

Onomatype-- A specimen which has been cited in print but which has not been used to illustrate anything not previously known about the morphology of the species or subspecies to which it is referred.

Morphotype -- A specimen which has been figured in print but which has not been used to illustrate anything not previously known about the morphology of the species or subspecies to which it is referred.

Topotype-- A specimen collected from the same horizon as the original holotype or cotypes and from the same locality as the originals or within a few miles of that place.

Metatype-- A topotype identified by the original describer of the species or subspecies to which it is referred, but at a date subsequent to the publication of the original description.

Homeotype--A specimen that has been identified by a worker who is recognized as an authority on the group of organisms to which it belongs, after the specimen has been carefully compared by him with the original type or types of the species or subspecies to which it is referred.

Ideotype -- A specimen collected from some other general locality than the original types that has been identified by the original author of the species or subspecies to which it is referred at a date subsequent to the publication of the original description.

REFERENCES

1. Fritz, M.A. (1939): Outline of the History and Development of the Royal Ontario Museum of Palaeontology: Contributions of R.O.M.P. No. 1.
2. Howell, B.F. (1930): Symbols on Type Specimens; Museum News.
3. Howell, B.F., and Plummer, H.J. (1932): "Neoparatype," a new term; Bull. Geol. Soc. Amer., vol. 43, p. 266.
4. Knight, J.B. (1935): New nomenclatural type name, Diplotype; Proc. Geol. Soc. Amer., p. 372.
5. Howell, B.F., and Landes, R.W. (1935): Allogenotype, a new term; Proc. Geol. Soc. Amer., p. 372.
6. Howell, B.F. (1930): Tophomeotype, a new term; Bull. Geol. Soc. Amer., vol. 41, p. 199.

FORAMINIFERA

BERINA CAMBRICA Matthew -- Cotype ✓ check
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 1895, pl. I, figs. 5a-c.
 Middle Cambrian, St. John Group, Div. 1, b, 2.
 Hanford brook, St. Martins, New Brunswick.
 Cotype - Roy. Ont. Mus. Pal. 8291 -- Probably
 concretion.

BERINA DIDYMA Matthew -- Topotypes 2 x
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 1895, pl. I, figs. 7a,b.
 Middle Cambrian, St. John Group, Div. 1, b, 2.
 Hanford brook, St. Martins, New Brunswick.
 Topotypes - Roy. Ont. Mus. Pal. 8149 -- Probably
 concretion.

BERINA GRANDIS Matthew -- Holotype ✓ check
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 1895, pl. I, fig. 6.
 Middle Cambrian, St. John Group, Div. 1, b, 2.
 Hanford brook, St. Martins, New Brunswick.
 Holotype - Roy. Ont. Mus. Pal. 8290 -- Probably
 concretion.

BLINA(?) INGENS Matthew -- Cotypes 3 ✓ check
 Matthew, G.F., Trans. N.Y. Acad., Sci., Vol. XIV,
 1895, pl. I, fig. 4.
 Middle Cambrian, St. John Group, (Div. 1, b, 2.
 Hanford brook, St. Martins, New Brunswick.
 Cotypes - Roy. Ont. Mus. Pal. 8145 -- Probably
 concretion.

BLINA INTERMEDIA Matthew -- Cotypes 3 ✓
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 1895, pl. I, fig. 3.
 Middle Cambrian, St. John Group, Div. 1, b, 2.
 Hanford brook, St. Martins, New Brunswick.
 Cotypes - Roy. Ont. Mus. Pal. 8148 -- Probably
 concretion.

ORBULINA(?) OVALIS Matthew -- Topotype 1 ×
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
1895, pl. I, fig. 2.
Middle Cambrian, St. John Group, Div. 1, b, 2.
Hanford brook, St. Martins, New Brunswick.
Topotype - Roy. Ont. Mus. Pal. 8146 -- Probably
concretion.

ORBULINA(?) OVALIS Matthew -- Holotype ✓
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
1895, pl. I, fig. 2.
Middle Cambrian, St. John Group, Div. 1, b, 2.
Hanford brook, St. Martins, New Brunswick.
Holotype - Roy. Ont. Mus. Pal. 8292 -- Probably
concretion.

PORIFERA

AULOCOPIUM (AULOCOPELLA?) GIGANTEA Parks -- Holotype ✓
Parks, W.A., Trans. Roy. Can. Inst., Toronto, Vol.
XI, 1915, p. 8, pl. V, fig. 7.
Middle Ordovician.
Lower Rapids, Shammattawa river, Manitoba.
Holotype - Roy. Ont. Mus. Pal. 417S.

EOCORYNE GEMINUM Matthew -- Cotypes 3 ✓
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1885, p. 31, pl. V, figs. 4, 4b.
Middle Cambrian, St. John Group, Div. 1, c, 2.
Porter's brook, St. Martins, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8239.

EOCORYNE GEMINUM Matthew -- Topotypes 3 ×
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1885, p. 31, pl. V, figs. 4-4b.
Middle Cambrian, St. John Group, Div. 1, c, 2.
Porter's brook, St. Martins, New Brunswick.
Topotypes - Roy. Ont. Mus. Pal. 8673.

ASPESPONGIA BASALIS Parks -- Fragment of Diplotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
p. 55, pl. VII, figs. 3, 4.
Middle Silurian, La Vieille formation.
Black Cape, Quebec.
Fragment of Diplotype - Roy. Ont. Mus. Pal. 931S.
(Diplotype Peabody Museum 13282).

On permanent loan
Yada

ATTHEUCYATHUS PAVANOIDES (Matthew) -- Diplotype
Archaeocyathus? pavanoides Matthew
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1885, No. III, p. 29, pl. V, figs. 1a-d.
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
1940.
Middle Cambrian, St. John Group, Div. 1, c, 2.
Hanford brook, St. Martins, New Brunswick.
Diplotype - Roy. Ont. Mus. Pal. 7872.

✓
Holotype

PROTOSPONGIA(?) MINOR Matthew -- Topotypes 10
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1885, No. III, p. 30, pl. V, fig. 2.
Middle Cambrian, St. John Group, Div. 1, c, 2.
Porter's brook, St. Martins, New Brunswick.
Topotypes - Roy. Ont. Mus. Pal. 7901.

ANTHOZOA

ALVEOLITES DEPRESSUS Parks -- Fragment of Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 37, pl. VII, figs. 7, 8.
Middle Silurian, La Vieille.
Jacquet river, New Brunswick.
Fragment of Cotype - Roy. Ont. Mus. Pal. 952S.
(Cotype Geological Survey of Canada).

ALVEOLITES DEPRESSUS Parks -- Fragment of Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 37, pl. VII, figs. 7, 8.
Middle Silurian, La Vieille.
Jacquet river, New Brunswick.
Fragment of Cotype - Roy. Ont. Mus. Pal. 951S.
(Cotype Geological Survey of Canada).

✓
should
these
ref
to G

APLEXUS SEVERENSIS Parks -- Holotype
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 36, pl. III, fig. 12. ✓
Silurian.
Limestone Rapids, Severn river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 300S.

CALAPOECIA CURVITABULATA Way -- Holotype MSS
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 116, pl. VII, fig. 3.
Lower Silurian, Bidwell member, Cataract.
Allen township, Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7495.

COLUMNARIA DISCRETA Okulitch -- Holotype Hypo?
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
1938, p. 106, pl. I, figs. 1, 2.
Middle Ordovician, Black River.
Paquette's rapids, Ottawa river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 11241.

COLUMNARIA MAGNIFICA Okulitch -- Holotype
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
1938, p. 107, pl. II, fig. 7.
Middle Ordovician, Black River.
Paquette's rapids, Ottawa river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 11245.

COLUMNARIA WILLIAMSI (Chadwick) Plesiotypes 2 MSS
Chadwick, G.H., Geol. Sur. Can., Mem. 111, 1919,
p. 129, pl. V, fig. 2.
Way, H.G., MSS. Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 52, pl. V, figs. 10, 11.
Lower Silurian, Bidwell member, Cataract.
Manitoulin island, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 7503.

OSITES DENSA Way -- Holotype
Way, H.G., MSS. Univ. Tor. "Silurian of Manitoulin
island," 1936, p. 113. MSS
Middle Silurian, Dyer Bay member, Mayville.
Upper West Bay cliff, Billings township, Manitoulin
island.
Holotype - Roy. Ont. Mus. Pal. 7539.

OSITES FAVOSUS GLOBOSUS Nowlan -- Holotype
Nowlan, J.P., MSS. Univ. Tor. "Niagaran Stratigraphy
of Ontario," 1935, p. 113, pl. I, figs. 5, 6. MSS
Middle Silurian, Cordell member, Lockport.
Cabo head, Bruce county, Ontario.
Holotype - Roy. Ont. Mus. Pal. 14934.

SITES FAVOSUS GLOBOSUS Nowlan -- Topotypes 3
Nowlan, J.P., MSS. Univ. Tor. "Niagaran Stratigraphy
of Ontario," 1935, p. 113. MSS
Middle Silurian, Cordell member, Lockport.
Cabo head, Bruce county, Ontario.
Topotypes - Roy. Ont. Mus. Pal. 20370.

SITES FORBESI DYERENSIS Way -- Holotype
Way, H.G., MSS. Univ. Tor. "Silurian of Manitoulin
island," 1936, p. 113, pl. VII, fig. 4. ✓
Middle Silurian, Dyer Bay member, Mayville.
Upper West Bay cliff, Billings township, Manitoulin
island.
Holotype - Roy. Ont. Mus. Pal. ~~7539~~ 830 cl. ✓

SITES GIBSONI Parks -- Holotype
Parks, W.A., Ontario Bureau of Mines, Vol. XIII,
p. 5, 1903, p. 181, pl. I, figs. 1-5.
Middle Devonian.
Ataboehegan river, James Bay, Ontario.
Holotype - Roy. Ont. Mus. Pal. 942 U.H.

FAVOSITES MESOTUBULATUS Nowlan -- Holotype
Nowlan, J.P., MSS. Univ. Tor. "Niagaran Stratigraphy
of Ontario," 1935, p. 116, pl. II, fig. 4.
Middle Silurian, Cordell member, Lockport.
Cape Chin, Bruce county, Ontario. MSS
Holotype - Roy. Ont. Mus. Pal. 14923.

FAVOSITES MINUTUS Nowlan -- Holotype
Nowlan, J.P., MSS. Univ. Tor. "Niagaran Stratigraphy
of Ontario," 1935, p. 115, pl. II, figs. 1, 2.
Middle Silurian, Cordell member, Lockport. MSS
Dyer bay, Bruce county, Ontario.
Holotype - Roy. Ont. Mus. Pal. 14930.

FLETCHERIA SINCLAIRI Okulitch -- Holotype
Okulitch, V.J., Trans. Roy. Can. Inst., Vol. XXI,
1937, p. 315, pl. XVII, figs. 4, 5.
Middle Ordovician, Upper Chazy(?).
Near Pembroke, Ontario.
Holotype - Roy. Ont. Mus. Pal. 6871.

FLETCHERIA SINCLAIRI Okulitch -- Paratype
Okulitch, V.J., Trans. Roy. Can. Inst., Vol. XXI,
1937, p. 315, pl. XVII, figs. 6, 7.
Middle Ordovician, Upper Chazy(?).
Near Pembroke, Ontario.
Paratype - Roy. Ont. Mus. Pal. 6870.

HELIOLITES SUBTUBULATA TURBINATA Parks -- Fragment of
Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 36, pl. VII, figs. 5, 6; pl. VIII, fig. 8.
Middle Silurian, La Vieille, Gascons, or Bouleaux
(drift).
Black cape, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23163
(Holotype Peabody Museum 13213).

ICHENARIA COBOCONKENSIS Okulitch -- Holotype
Okulitch, V.J., Jour. Pal., Vol. 13, No. 5, p. 514,
pl. 59, fig. 5.
Middle Ordovician, Coboconk limestone, Black River.
Coboconk, Ontario.
Holotype - Roy. Ont. Mus. Pal. 16560.

ICHENARIA COBOCONKENSIS Okulitch -- Paratype
Okulitch, V.J., Jour. Pal., Vol. 13, No. 5, p. 514,
pl. 59, fig. 6.
Middle Ordovician, Coboconk limestone, Black River.
Coboconk, Ontario.
Paratype - Roy. Ont. Mus. Pal. 16561.

ELLIA PAUCIVESICULOSA Way ^{Bolton 1957} -- Holotype
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 114, pl. VII, figs. 1,2.
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7491. 75301.

ELLIA PAUCIVESICULOSA Way ^{Bolton 1957} -- Allotype
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 114, pl. VI, fig. 5.
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Allotype - Roy. Ont. Mus. Pal. 7490.

ELLIA PAUCIVESICULOSA MAJOR Way -- Holotype
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 115, fig. 4.
Lower Silurian, Bidwell member, Cataract. MSS
Bidwell township, Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 7494.

PISOLENIA TORTUOSA Fritz -- Diplotype
Fritz, M.A., Jour. Pal., Vol. 11, No. 3, pp. 231-
234, text figures 1-6.
Middle Silurian, Lockport.
Mann island, Lake Timiskaming, Ontario.
Diplotype - Roy. Ont. Mus. Pal. 1154.

PALAEOLVEOLITES PAQUETTENSIS Okulitch -- Topotype
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
Vol. XXXII, 1938, p. 96, pl. I, figs. 3-5. holotype
Middle Ordovician, Black River.
Paquette's Rapids, Ontario.
Holotype - Roy. Ont. Mus. Pal. 11242.

PALAEOLVEOLITES PAQUETTENSIS Okulitch -- Topotype
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
Vol. XXXII, 1938, p. 96, pl. I, figs. 3-5. X
Middle Ordovician, Black River.
Paquette's Rapids, Ontario.
Topotype - Roy. Ont. Mus. Pal. 11243.

PALAEOLVEOLITES PAQUETTENSIS Okulitch -- Topotype
Okulitch, V.J., Trans. Roy. Soc. Canada, Sect. IV,
Vol. XXXII, 1938, p. 96, pl. I, figs. 3-5.
Middle Ordovician, Black River.
Paquette's Rapids, Ontario.
Topotype - Roy. Ont. Mus. Pal. 11244.

PALAEOFAVOSITES ANASTOMOSUS Way -- Cotypes 2
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 111, pl. IV, figs. 21, 23. 452
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 7502.

PALAEOFAVOSITES CAPAX (Billings) -- Plesiotype
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 108, pl. V, figs. 1, 2. M 58
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 7496.

PALAEOFAVOSITES MULTITABULATA Way -- Cotypes 2
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 109, pl. V, fig. 6. 453
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 7500.

PALAEOFAVOSITES MULTITABULATA REGULARIS Way -Cotypes 3
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 110, pl. V, fig. 8.
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 7501.

PALAEOFAVOSITES PROLIFICUS (Billings) -- Plesiotype
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 106, pl. V, fig. 5.
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 7492.

PALAEOFAVOSITES PROLIFICUS MINUTUS Way -- Cotypes 2
Way, H.G., MSS Univ. Tor., "Silurian of Manitoulin
island," 1936, p. 109, pl. IV, fig. 22; pl. V, fig. 9.
Lower Silurian, Bidwell member, Cataract.
Bidwell township, Manitoulin island, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 7499.

ETRAIA PROFUNDUM Nowlan -- Cotypes 2
Nowlan, J.P., MSS Univ. Tor., "Niagaran Stratigraphy
of Ontario," 1935, p. 109, pl. I, figs. 1, 2.
Middle Silurian, Cordell member, Lockport.
Lion Head, Bruce county, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 14936.

ETRAIA TURBINATUM Nowlan -- Holotype
Nowlan, J.P., MSS Univ. Tor., "Niagaran Stratigraphy
of Ontario," 1935, p. 109, pl. I, figs. 3, 4.
Middle Silurian, Cordell member, Lockport.
Cabot Head, Bruce county, Ontario.
Holotype - Roy. Ont. Mus. Pal. 14933.

OTAREA CLEMVILLENSIS Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 39, pl. VIII, fig. 6.
Middle Silurian, Clemville.
Clemville, Port Daniel, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23162
(Holotype Peabody Museum 13243).

PROTAREA WALKERI (Spencer) -- Plesiotype 1
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 60, pl. XI, figs. 1,2.
Middle Silurian, Lockport. ✓
Hamilton, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 21427.

PYCNOTSTYLUS ELEGANS Whiteaves -- Plesiotypes 2 ✓
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 40, pl. I, fig. 3.
Middle Silurian.
Limestone rapids, Severn river, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 22550.

PYCNOTSTYLUS MAXIMUS Parks -- Cotypes 2 ✓
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 40, pl. I, fig. 2.
Middle Silurian.
Limestone rapids, Severn river, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 22551.

?PYCNOTSTYLUS Sp., ?APHYLLOSTYLUS Sp. -- Holotype Hypoty
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 45.
Middle Silurian.
Limestone rapids, Severn river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 22553.

?PYCNOTSTYLUS Sp. -- Holotype Hypoty
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 46.
Middle Silurian.
Limestone rapids, Severn river, Ontario.
Holotype - Roy. Ont. Mus. Pal. 22585.

STREPTELASMA INTEGRISEPTATA Parks -- Cotypes 2
Parks, W.A., Trans. Roy. Can. Inst., Vol. XI, 1915,
p. 13, pl. V, figs. 1,2,3.
Ordovician.
Lower rapids, Shamattawa river, Manitoba.
Cotypes - Roy. Ont. Mus. Pal. 22534.

STROMATOPOROIDEA

ACTINODICTYON CANADENSE Parks -- Fragment of Diplotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 32, pl. XX. figs. 1,2.

Middle Silurian.

Southampton island, Hudson bay, Canada.

Fragment of Diplotype - Roy. Ont. Mus. Pal. 20948=638 N
(Diplotype Geol. Sur. Can.).

ACTINODICTYON KEELEI Parks -- Fragment of Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 35, pl. XIX, figs. 5,6.

Middle Silurian.

Gravel river, Mackenzie district, Canada.

Fragment of Holotype - Roy. Ont. Mus. Pal. 20949=639 N
(Holotype Geol. Sur. Can.).

ACTINODICTYON NEPTUNI Parks -- Fragment of Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 34, pl. XX, figs. 5,6.

Middle Silurian.

Southampton island, Hudson bay, Canada.

Fragment of Holotype - Roy. Ont. Mus. Pal. 20950=640 N
(Holotype Geol. Sur. Can.).

ACTINODICTYON VAGANS Parks

--

Cotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 113, pl. XVIII, figs. 1,2.

Middle Devonian, Columbus limestone.

Kelley's island, Ohio.

Cotype - Roy. Ont. Mus. Pal. 9375.=1572 CN

ACTINODICTYON VAGANS Parks

--

Cotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 113, pl. XVIII, fig. 5.

Middle Devonian, Columbus limestone.

Kelley's island, Ohio.

Cotype - Roy. Ont. Mus. Pal. 9376.=1573 CN

ACTINODICTYON VAGANS Parks -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 113, pl. XVIII, figs. 3, 4.
Middle Devonian, Columbus limestone.
Kelley's island, Ohio.
Cotype - Roy. Ont. Mus. Pal. 9377. = 1574 en

Actinodictyon vagans

1575 en

ACTINOSTROMA EXPANSUM (Hall and Whitfield) - Plesiotype
Stromatopora expansa Hall and Whitfield
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 118, pl. XIX, figs. 3-6.
Upper Devonian.
South of Charles City, Iowa.
Plesiotype - Roy. Ont. Mus. Pal. 13211. = 2622 D.

ACTINOSTROMA EXPANSUM var. nov. Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 120, pl. XIII, figs. 3, 4.
Upper Devonian.
Shueyville, Iowa.
Holotype - Roy. Ont. Mus. Pal. 16554. = 2258 H

Hyp

ACTINOSTROMA MIRUM Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 6, pl. I, figs. 5, 6.
Silurian, Bouleaux or West Point.
Gascons, Quebec (loose on beach).
Fragment of Holotype - Roy. Ont. Mus. Pal. 23119-8935.
(Holotype Peabody Museum 13214).

Yola

ACTINOSTROMA

ACTINOSTROMA PRAECURSUM Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 4, pl. I, figs. 1, 2.
Silurian, Bouleaux.
Shore at Anse a la Barbe, near Gascons, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23118-892 S.
(Holotype Peabody Museum 13208).

Yola

ACTINOSTROMA TENUIFILATUM INFLECTUM Parks -- Fragment
of Holotype

T= 650?

Actinostroma inflectum Parks

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 25, pl. 19, figs. 1,2.

Middle Silurian, Niagaran.

Pagwachuan river, Ontario.

Fragment of Holotype - Roy. Ont. Mus. Pal. 20959 = 64911.
(Holotype Geol. Sur. Can.).

ACTINOSTROMA TENUISSIMUM Parks - Fragment of Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 42, pl. 18, figs. 2,3,9,12.

Upper Silurian, Cayugan.

Scoharie county, New York.

Fragment of Holotype - Roy. Ont. Mus. Pal. 20960 = 65011.
(Holotype N.Y. State Mus.).

ACTINOSTROMA TYRRELLII Nicholson -- Fragments of
Plesiotype 4

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
pt. I, 1936, p. 121, pl. XIX, figs. 1,2.

Middle Devonian, Presqu'ile dolomite.

Presqu'ile Point, Great Slave lake.

Fragments of Plesiotype - Roy. Ont. Mus. Pal. 13200 = 26110
(Plesiotype Dv. 674 Univ. Alberta).

ACTINOSTROMA TYRRELLII Nicholson -- Fragments of
Onomatype 5

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
pt. I, 1936, p. 121.

Middle Devonian, Presqu'ile dolomite.

Presqu'ile Point, Great Slave lake.

Fragments of Onomatype - Roy. Ont. Mus. Pal. 13201 = 26120
(Onomatype Dv. 675 Univ. Alberta).

ACTINOSTROMA VULCANA Parks -- Cotypes 3

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 10, pl. I, figs. 1,2.

Middle Silurian, Guelph.

Durham, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 15088 = 4786

ACTINOSTROMA WHITEAVESII NIAGARENSIS Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 11, pl. XII, figs. 4,5.
Middle Silurian, Lockport.
Thorold, Ontario.
Holotype - Roy. Ont. Mus. Pal. 20994. = 684 N.

AULOCERIUM SAVAGEI Parks -- Part of Diplotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 44, pl. XVIII, figs. 13,15.
Middle Silurian, Niagara limestone.
Wilmingon, Illinois.
Part of Diplotype - Roy. Ont. Mus. Pal. 21447
(Other part of diplotype at Geological Survey Illi-
nois, Urbana, Illinois).

ANOSTYLOSTROMA HAMILTONENSE Parks -- Diplotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 46, pl. VIII, figs. 1,3,4.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Diplotype - Roy. Ont. Mus. Pal. 16536. = 2240 H

ANOSTYLOSTROMA HAMILTONENSE Parks -- Paratypes 2
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 46, pl. VIII, fig. 2.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Paratypes - Roy. Ont. Mus. Pal. 5657. = 5657

ANOSTYLOSTROMA HAMILTONENSE Parks -- Paratypes 2
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 46.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Paratypes - Roy. Ont. Mus. Pal. 16537. = 2241 H

ANOSTYLOSTROMA HAMILTONENSE PAPILLATUM Parks -- Cotypes 13

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, 1936, p. 50, pl. IX, figs. 1-4.

Middle Devonian, Hamilton.

Long lake, Alpena, Michigan.

Cotypes - Roy. Ont. Mus. Pal. 16548. = 2252 H

ANOSTYLOSTROMA HAMILTONENSE var. nov. Parks - Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, 1936, p. 48, pl. XIII, figs. 5, 6.

Middle Devonian, Hamilton.

Long lake, Alpena, Michigan.

Holotype - Roy. Ont. Mus. Pal. 16555. = 2259 H

ANOSTYLOSTROMA HAMILTONENSE var. nov. Parks - Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, 1936, p. 49, pl. VII, figs. 6, 7.

Middle Devonian, Hamilton.

Rocky Point, Alpena, Michigan.

Holotype - Roy. Ont. Mus. Pal. 16529. = 2233 H

21427 = 1267 N

BEATRICEA UNDULATA Billings -- Plesiotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7, 1910, p. 44, pl. XXV, fig. 1.

Upper Ordovician, Richmond.

Anticosti island.

Plesiotype - Roy. Ont. Mus. Pal. 17173.

CLATHRODICTYON ARVENSE Parks -- Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, 1936, p. 23, pl. III, figs. 1, 2.

Middle Devonian, Onondaga.

Near Simcoe, Ontario.

Holotype - Roy. Ont. Mus. Pal. 9347- Sections only.

CLATHRODICTYON ARVENSE Parks -- Paratype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, 1936, p. 23, pl. III, figs. 3, 4.

Middle Devonian, Onondaga.

Southwestern Ontario.

Paratype - Roy. Ont. Mus. Pal. 9348. = 2239 cn

CLATHRODICTYON CRICKLAYI Parks -- Fragment of Topotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 9.
Silurian, La Vieille.
Port Daniel, Quebec.
Fragment of Topotype - Roy. Ont. Mus. Pal. 23121 = 2755
(Topotype Peabody Museum 13221).

CLATHRODICTYON DRUMMONDENSE Parks -- Fragment of
Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, pl. VIII, figs. 3, 7.
Middle Silurian, Niagaran.
Drummond island, Michigan.
Fragment of Holotype - Roy. Ont. Mus. Pal. 21941 = 772 N
(Holotype U.S. Nat. Mus. 36814).

CLATHRODICTYON INSULARE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
pl. III, figs. 7, 8.
Middle Devonian, Columbus limestone.
Kelley's island, Ohio.
Holotype - Roy. Ont. Mus. Pal. 13187. 2598 D

CLATHRODICTYON LATUM Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 33, pl. VI, figs. 4, 5.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Holotype - Roy. Ont. Mus. Pal. 16526. = 2230 H

CLATHRODICTYON LATUM Parks -- Metatype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 33.
Middle Devonian, Hamilton.
Rocky Point, Alpena, Michigan.
Metatype - Roy. Ont. Mus. Pal. 16527. = 2231 H

CLATHRODICTYON LAXUM Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 14, pl. I, fig. 2.
Middle Devonian, Columbus limestone.
Kelley's island, Ohio. (locality given in descrip-
tion is Ontario). ^{= 2582 D}
Plesiotype-Roy. Ont. Mus. Pal. 13171 -Section only.

CLATHRODICTYON LAXUM Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
p. 13, pl. I, fig. 4.
Middle Devonian, Columbus limestone.
Kelley's island, Ohio. (locality given in descrip-
tion is Ontario).
Plesiotype - Roy. Ont. Mus. Pal. 13172. = 2583 D.

CLATHRODICTYON LAXUM Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 14, pl. I, fig. 3.
Middle Devonian, Onondaga.
Waterford, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 13173. = 2584 D.

CLATHRODICTYON LAXUM Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 15, pl. I, figs. 5, 6.
Middle Devonian, Onondaga.
Hagersville, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 13174. = 2585 D.

CLATHRODICTYON LAXUM Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 15, pl. I, fig. 8.
Middle Devonian.
Kwataboahagan river, James bay, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 13175. = 2586 D

CLATHRODICTYON LAXUM COLUMBIARE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 16, pl. IX, figs. 5, 6.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Holotype - Roy. Ont. Mus. Pal. 9374. = 1571 C D

CLATH. cf LAXUM cf SUBSTRATIFLUM = 13176 = 2587 D.

CLATHRODICTYON MOOSENSE (Parks) -- Holotype
Actinostroma moosensis Parks
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 34, pl. VIII, figs. 5, 7.
Middle Devonian.
Kwataboahegan river, James bay, Ontario.
Holotype - Roy. Ont. Mus. Pal. 13208. = 2619 D

CLATHRODICTYON MOOSENSE PROXIMALE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 35, pl. XIX, figs. 7, 8.
Middle Devonian.
Kwataboahegan river, James bay, Ontario.
Holotype - Roy. Ont. Mus. Pal. 13210. = 2621 D

CLATHRODICTYON OHIOENSE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 24, pl. III, figs. 5, 6.
Middle Devonian, Columbus limestone.
Kelley's island, Ohio.
Holotype - Roy. Ont. Mus. Pal. 13184. = 2595 D

CLATHRODICTYON PONDEROSUM (Nicholson) -- Plesiotype
Stromatopora ponderosa Nicholson
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 42, pl. V, figs. 5, 6.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Plesiotype - Roy. Ont. Mus. Pal. 13193. = 2604 D

CLATHRODICTYON RECTUM Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 28, pl. XIV, figs. 5-7.
Middle Silurian, Niagaran.
Louisville, Kentucky.
Holotype - Roy. Ont. Mus. Pal. 21438. = 1258 N.

Syntype

CLATHRODICTYON REGULARE Von Rosen -- Fragment of
Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 8, pl. I, figs. 7, 8.
Silurian, La Vieille.
Port Daniel, Quebec.

returned
to A

Fragment of Plesiotype - Roy. Ont. Mus. Pal. 23125 = 899 S
(Plesiotype Peabody Museum 13228).

CLATHRODICTYON REGULARE -

27354

CLATHRODICTYON RETIFORME Nich. and Murie -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 32, pl. VI, figs. 6, 7.
Middle Devonian, Hamilton.
?Thedford or Arkona, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 16520. = 2224 H

✓

CLATHRODICTYON RETIFORME Nich and Murie -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 32, pl. VI, fig. 8.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Plesiotype - Roy. Ont. Mus. Pal. 16522. = 2226 H

✓

✓

CLATHRODICTYON RETIFORME 2227 H

CLATHRODICTYON STYLOTUM Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 10, pl. II, figs. 7, 8; pl. III, fig. 1;
pl. VIII, fig. 8.
Silurian, Gascons.
Stream drift, Little Port Daniel river, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23122 = 896 S
(Holotype Peabody Museum 13304).

CLATHRODICTYON STYLOTUM CRASSUM Parks -- Fragment of
Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 12, pl. III, figs. 2, 3.

Silurian, West Point.

Port Daniel Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23120-8945.
(Holotype Peabody Museum 13302).

CLATH. STRIATELLUM - 21984 = 1816 N

CLATHRODICTYON SUBSTRIATELLUM (Nicholson) -- Plesiotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 20, pl. II, figs. 1, 2, 3.

Middle Devonian, Columbus limestone.

Marblehead, Ohio.

Plesiotype - Roy. Ont. Mus. Pal. 13179. = 2570 D

CLATHRODICTYON SUBSTRIATELLUM (Nicholson) -- Plesiotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 22, pl. II, fig. 7.

Middle Devonian, Columbus limestone.

Marblehead, Ohio.

Plesiotype - Roy. Ont. Mus. Pal. 13180. = 2591 D

CLATHRODICTYON SUBSTRIATELLUM (Nicholson) -- Plesiotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 22, pl. II, fig. 8.

Middle Devonian, Columbus limestone.

Marblehead, Ohio.

Plesiotype - Roy. Ont. Mus. Pal. 13181. = 2592 D.

CLATHRODICTYON TOWNSENDI Parks -- Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 26, pl. IV, figs. 1-5.

Middle Devonian, Columbus limestone.

Kelley's island, Ohio.

Holotype - Roy. Ont. Mus. Pal. 13189. = 2600 D.

CLATHRODICTYON UNDULATUM Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 40, pl. VII, figs. 4, 5.
Middle Devonian, Hamilton.
Rocky point, Alpena, Michigan.
Holotype - Roy. Ont. Mus. Pal. 16528. = 2232 +1

CLATHRODICTYON VARIOLARE Von Rosen -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 19, pl. VII, fig. 2; pl. VIII, fig. 9.
Middle Silurian, Lockport.
Manitoulin island, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 21419. = 1239 N

CLATH. VARIOLARE

CLATHRODICTYON VESICULOSUM MINUTUM (Romer) -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 19, pl. VII, fig. 6; pl. VIII, fig. 5.
Middle Silurian, Lockport.
Lake Timiskaming, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 21423. = 1243 N

CLATH. VES. MINUTUM - 895 CL. = 7602

CLATHRODICTYON VESICULOSUM var. nov. Parks -- Fragment
of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 9, pl. II, fig. 2.
Silurian, Clemville.
Port Daniel, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23126 = 9005
(Holotype Peabody Museum 13243).

CLATHRODICTYON VULGARE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 38, pl. IX, figs. 7, 8.
Middle Devonian, Hamilton.
Stoney creek, Alpena, Michigan.
Holotype - Roy. Ont. Mus. Pal. 16550. = 2254 H

DERMATOSTROMA CORRUGATUM (Foerste) -- Holotype

Labechia corrugata Foerste, MSS.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 34, pl. XXIV, figs. 7,10,11,14.

Upper Ordovician, Richmond, Whitewater.

Dutch creek, Ohio.

Holotype - Roy. Ont. Mus. Pal. 17071. = 817 HR

DERMATOSTROMA GLYPTUM (Foerste) -- Holotype

Labechia glyptus Foerste, MSS.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 33, pl. XXIV, figs. 4,5,6.

Upper Ordovician, Richmond, Whitewater.

Dutch creek, Ohio.

Holotype - Roy. Ont. Mus. Pal. 17070. = 816 HR

DERMATOSTROMA PAPILLATUM (James) -- Plesiotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 31, pl. XXIII, fig. 10.

Upper Ordovician, Richmond, Waynesville.

Clarksville, Ohio.

Plesiotype - Roy. Ont. Mus. Pal. 17069. = 815 HR

DERMATOSTROMA SCABRUM (James) -- Plesiotype

Fritz, M.A., Ont. Dept. Mines, Vol. XXXII, pt. VII,
1923, p. 2, pl. I, fig. 1.

Upper Ordovician, Dundas.

Humber river, Toronto, Ontario.

Plesiotype - Roy. Ont. Mus. Pal. 17075. = 821 HR

DERMATOSTROMA GUELPHICA Parks Cotypes 2

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 34, pl. 4, figs. 1,2; pl. 6, figs. 3,4.

Middle Silurian, Guelph.

Elora, Ontario.

Cotypes - Roy. Ont. Mus. Pal. 15089. = 479G

LABECHIA DURHAMENSIS Parks -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 21, pl. II, figs. 4,5.
Middle Silurian, Guelph.
Elora, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15060. = 449 G

LABECHIA DURHAMENSIS Parks -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 21, pl. VI, figs. 1,2.
Middle Silurian, Guelph.
Elora, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15092. = 482 G

LABECHIA DURHAMENSIS Parks -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 21, pl. II, fig. 6.
Middle Silurian, Guelph.
Elora, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15082. = 471 G

LABECHIA MINORA Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 22, pl. III, figs. 2,3,6.
Middle Silurian, Guelph.
Elora, Ontario.
Holotype - Roy. Ont. Mus. Pal. 15077. = 466 G

LABECHIA MINORA Parks -- Topotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 22.
Middle Silurian, Guelph.
Elora, Ontario.
Topotype - Roy. Ont. Mus. Pal. 15080. = 469 G

LABECHIA MINORA Parks -- Topotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 22.
Middle Silurian, Guelph.
Durham, Ontario.
Topotype - Roy. Ont. Mus. Pal. 15078. = 467 G

LOPHIOSTROMA? DUBIUM PARKS -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 14, pl. VIII, fig. 2.
Middle Silurian, La Vieille.
Anse a la Vieille, east of Gascons, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 25166 = 9405
(Holotype Geol. Sur. Can.).

LOPHIOSTROMA MAGNUM (Parks) -- Metatypes 4
Chalazodes magnum Parks
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 38.
Middle Silurian, Lockport.
Manitoulin island, Ontario.
Metatypes - Roy. Ont. Mus. Pal. 21437. = 1257 N,

ROSEWELLA(?) DENSE - 9295 - 23155

ROSEWELLA GLENELGENSIS Parks -- Cotypes 17
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 25, pl. II, fig. 3; pl. III, fig. 4; pl.
VI, fig. 5.
Middle Silurian, Guelph.
Elora, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 15090. = 486 G

ROSEWELLA(?) MANITOULINENSIS Parks -- Cotypes 4
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 42, pl. XII, fig. 3; pl. XIV, fig. 8.
Middle Silurian, Lockport.
Manitoulin island, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 21443. = 1263 N

STICTOSTROMA ALPENSE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 85, pl. XIII, figs. 1, 2.
Middle Devonian, Hamilton.
Rocky point, Alpena, Michigan.
Holotype - Roy. Ont. Mus. Pal. 16547. = 2251 H

STICTOSTROMA ERIENSE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 82, pl. V, figs. 1, 2.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Holotype - Roy. Ont. Mus. Pal. 13190. = 2601 D

STICTOSTROMA ERIENSE Parks -- Paratype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 82, pl. V, fig. 3.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Paratype - Roy. Ont. Mus. Pal. 13191. = 2602 D

STICTOSTROMA ERIENSE Parks -- Paratype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 82, pl. V, fig. 4.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Paratype - Roy. Ont. Mus. Pal. 13192. = 2603 D

STICTOSTROMA HURONENSE Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 83, pl. VII, figs. 1-3.
Middle Devonian, Hamilton.
Long lake, Alpena, Michigan.
Holotype - Roy. Ont. Mus. Pal. 16525. = 2229 H

STICTOSTROMA INSOLITUM Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 86, pl. XV, figs. 4, 5.
Middle Devonian, Columbus limestone.
Marblehead, Ohio.
Holotype - Roy. Ont. Mus. Pal. 13207. = 2618 D

STICTOSTROMA MAMILLATUM (Nicholson) -- Plesiotype
Stromatopora mamillata Nicholson
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 78, pl. XIV, figs. 3-6.
Middle Devonian, Onondaga.
Ashton's quarry, Gorrie township, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 9360. = 1551 Cn

STICTOSTROMA MAMMILLATUM (Nicholson) -- Plesiotype
Stromatopora mammillata Nicholson
 Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
 1936, p. 81.
 Middle Devonian, Onondaga.
 Ashton's quarry, Gorrie township, Ontario.
 Plesiotype - Roy. Ont. Mus. Pal. 9361. = 1552 cn

STICTOSTROMA PROBLEMATICUM (Parks) -- Holotype
Clathrodictyon problematicum Parks
 Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
 1936, p. 88, pl. V, figs. 7, 8; pl. VI, figs. 1-3.
 Middle Devonian.
 Kwataboahagan river, James Bay, Ontario.
 Holotype - Roy. Ont. Mus. Pal. 13196. = 2607 D

STICTOSTROMA PROBLEMATICUM 27356 27375
 STICTOSTROMELLA GLEIDUS 27356
 STICTOSTROMELLA CREBRAPILA 27357
 STROMATOCERIUM CANADENSE Nich. and Murie -- Plesiotype
 Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
 1910, p. 15, pl. XXI, fig. 8.
 Ordovician, Black River.
 Pauquette's rapids, Ontario.
 Plesiotype - Roy. Ont. Mus. Pal. 182T. = 23503

STROMATOCERIUM CANADENSE Nich. and Murie -- Plesiotype
 Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
 1910, p. 15, pl. XXII, figs. 1, 2.
 Ordovician, Black River.
 Gloucester, Carleton county, Ontario.
 Plesiotype - Roy. Ont. Mus. Pal. 179T. = 23500

STROMATOCERIUM HURONENSE Billings -- Plesiotype
 Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
 1910, p. 20, pl. XXII, figs. 8, 9.
 Ordovician, Richmond, Waynesville.
 Richmond, Ohio.
 Plesiotype - Roy. Ont. Mus. Pal. 17072. = 818 H.R.

STROMATOCERIUM RUGOSUM Hall -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 11, pl. XXI, fig. 5. ✓
Ordovician, Black River.
Pauquette's rapids, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 177T. = 23198

STROMATOCERIUM RUGOSUM Hall -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7, ✓
1910, p. 11, pl. XXI, fig. 6.
Ordovician, Black River.
Pauquette's rapids, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 178T. = 23499

STROMATOCERIUM RUGOSUM Hall -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 11, pl. XXI, fig. 4.
Ordovician, Trenton.
Kirkfield, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 183T. = 23501

STROMATOCERIUM RUGOSUM Hall -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 7,
1910, p. 11, pl. XXI, fig. 7.
Ordovician, Black River.
Pauquette's rapids, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 188T. = 23509

STROMATOPORA AMII Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6,
1909, p. 36, pl. XIX, figs. 7,8. TO
Middle Silurian, Niagaran. 65C
Southampton island, Hudson Bay.
Fragment of Holotype - Roy. Ont. Mus. Pal. 20993 = 6834
(Holotype Geol. Sur. Can.).

STROMATOPORA(?) APORITA Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 20, pl. IV, figs. 6, 7. Yal

Silurian, Bouleaux.

Port Daniel, Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23137 = 9115
(Holotype Peabody Museum 13240).

STROMATOPORA(?) APORITA TENUIS Parks -- Fragment of
Paratype Yal

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 21.

Silurian, Bouleaux or West Point.

Gascons, Quebec.

Fragment of Paratype - Roy. Ont. Mus. Pal. 23140 = 9145
(Paratype Peabody Museum 13218).

STROMATOPORA(?) ATLANTICA Parks -- Fragment of Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 22, pl. VIII, fig. 3. Yal

Silurian, La Vieille.

Port Daniel, Quebec.

Fragment of Cotype - Roy. Ont. Mus. Pal. 23142 = 9165
(Cotype Peabody Museum 13222).

STROMATOPORA CARTERI Nicholson - Fragment of Plesiotype To
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 6, GSC?
1909, p. 38, pl. XIX, figs. 9, 10.

Middle Silurian, Niagaran.

Pagwachuan river, Hudson Bay.

Fragment of Plesiotype - Roy. Ont. Mus. Pal. 20996 = 686N
(Plesiotype Geol. Sur. Can.).

STROMATOPORA CONSTELLATA - 25986

STROMATOPORA DANIELENSIS Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33, GSC
1933, p. 18, pl. IV, figs. 2, 3.

Silurian, West Point.

Port Daniel, Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23171 = 9455
(Holotype Geol. Sur. Can.).

STROMATOPORA? DARTIANA Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 19, pl. IV, figs. 4, 5.

Yale

Silurian, Bouleaux.

Port Daniel, Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23141-7153

(Holotype Peabody Museum 13241). - 27359, 27360, 27361,

STROMATOPORA GALTENSIIS - 4526

STROMATOPORA INDIANENSIS Parks -- Fragment of Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,

1908, p. 50, pl. XII, figs. 6, 9.

TO USNM

Middle Silurian, Brassfield (?Louisville).

North Madison, Indiana.

Fragment of Holotype - Roy. Ont. Mus. Pal. 21942-7124

(Holotype U.S. Nat. Mus. 41216).

STROMATOPORA saintjeani - 27362, 27363

STROMATOPORELLA ALCOCKI Parks -- Fragment of Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,

1933, p. 31, pl. VI, figs. 6, 7.

Yale

Silurian, Upper Bouleaux.

Black Cape, Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23156-7155

(Holotype Peabody Museum 13293).

STROMATOPORELLA CELLULOSA (Nich. & Murie) - Plesiotype

Clathrodictyon cellulolum Nich. & Murie

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,

1936, p. 108, pl. IV, figs. 6-8.

Middle Devonian, Onondaga (drift).

Near Simcoe, Ontario.

Plesiotype - Roy. Ont. Mus. Pal. 9349-7140 c n

STROMATOPORELLA CHOUINARDENSIS Parks -- Fragment of
Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,

1933, p. 30, pl. VI, figs. 4, 5.

Yale

Silurian, Gascons.

Mouth of Chouinard brook, Quebec.

Fragment of Holotype - Roy. Ont. Mus. Pal. 23147.

(Holotype Peabody Museum 13296). - 9215

STROMATOPORELLA CRASSA PARKS -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 29, pl. VI, figs. 1, 2. Yale
Silurian, Gascons.
Mouth of Chouinard brook, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23149 =
(Holotype Peabody Museum 13262). 923 S

STROMATOPORELLA DISTINCTA PARKS - Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 24, pl. V, figs. 2, 3. GSC
Silurian, La Vieille.
Jacquet river, New Brunswick.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23167
(Holotype Geol. Sur. Can.). = 941 S

STROMATOPORELLA ELEVATA PARKS -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 110, pl. XV, figs. 1-3.
Middle Devonian, Hamilton.
Arkona, Ontario.
Holotype - Roy. Ont. Mus. Pal. 16544. = 2248 H

STROMATOPORELLA ELORA PARKS -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 30, pl. III, fig. 3. ✓
Middle Silurian, Guelph.
Durham, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15067. = 456 G

STROMATOPORELLA ELORA PARKS -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 30, pl. V, figs. 1, 3, 4. ✓
Middle Silurian, Guelph.
Durham, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15068. = 457 G

ROMATOPORELLA ELORA Parks -- Cotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 29, pl. VI, fig. 6. ✓
Middle Silurian, Guelph.
Durham, Ontario.
Cotype - Roy. Ont. Mus. Pal. 15069. = 4586

ROMATOPORELLA ELORA MINUTA Parks -- Cotypes 9
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 4,
1907, p. 32, pl. V, figs. 2,5,6; pl. VI, fig. 7. ✓
Middle Silurian, Guelph.
Durham, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 15070. = 4596

ROMATOPORELLA GRANULATA Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 95, pl. XVI, fig. 3.
Middle Devonian, Hamilton.
Arkona, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 16540. = 2244H

ROMATOPORELLA GRANULATA Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, p. 95, pl. XVI, figs. 1,2.
Middle Devonian, Hamilton.
Arkona, Ontario.

Plesiotype - Roy. Ont. Mus. Pal. 16541. = 2245H

ROMAT. cf GRANULATA - 1563CN = 9366

ROMATOPORELLA GRANULATA DISTANS Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39, ✓
1936, pl. XIV, figs. 7,8; pl. XV, fig. 8.
Middle Devonian, Hamilton.
Arkona, Ontario.

Holotype - Roy. Ont. Mus. Pal. 16542. = 2246H

ROMATOPORELLA GRANULATA DISTANS Parks -- Paratype
Parks, W.A., Jour. Pal., Jan. 1935, p. 22, pl. VII, ✓
figs. 3,4.

Middle Devonian, Hamilton.

Middle lake, Alpena, Michigan (not Ontario).

Paratype - Roy. Ont. Mus. Pal. 16546. = 2250H

STROMATOPORELLA KAYI Parks -- Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 111, pl. XIII, figs. 7, 8.
Upper Devonian, Hackberry.
Iowa.
Holotype - Roy. Ont. Mus. Pal. 13216. = 2627 D ✓

STROMATOPORELLA PRIMA Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 28, pl. V, figs. 6, 7, 8. Yale
Silurian, Upper Bouleaux.
Black Cape, Quebec.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23152
(Holotype Peabody Museum 13294). = 9263

STROMATOPORELLA REMOTA Parks -- Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 26, pl. V, figs. 4, 5. GSC
Silurian, La Vieille.
Jacquet river, New Brunswick.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23168
(Holotype Geol. Sur. Can.). = 942 S

STROMATOPORELLA SELWYNI Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 102, pl. XVII, figs. 1, 2. ✓
Middle Devonian, Onondaga.
Selkirk, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 9355. = 1446 C N

STROMATOPORELLA SELWYNI Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 102, pl. XVII, figs. 5, 6. ✓
Middle Devonian, Onondaga.
Kelley's island, Ohio.
Plesiotype - Roy. Ont. Mus. Pal. 9358. = 1449 C N

ROMATOPORELLA TUBERCULATA Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 104, pl. XVII, figs. 3, 4.
Middle Devonian, Onondaga.
Rockford, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 9356. = 14470 n

ROMATOPORELLA TUBERCULATA Nicholson -- Plesiotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 104, pl. XIV, figs. 1, 2.
Middle Devonian, Onondaga.
Hagersville, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 9359. = 1450 n
FLODICTYON COLUMNARIA = 27269
" ROBUSTUM = 27355

INGOSTROMA NIAGARENSIS Parks - Fragment of Holotype
Stromatocerium niagarensis Rominger MSS.
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 52, pl. 10, figs. 1, 2, 5, 7.
Middle Silurian, Niagaran.
North shore, Lake Michigan.
Fragment of Holotype - Roy. Ont. Mus. Pal. 21943
(Holotype U.S. Nat. Mus. 36933). = 1776 n

INGOSTROMA(?) NORTHROPI Parks - Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 33,
1933, p. 25, pl. V, fig. 1; pl. VIII, fig. 4.
Silurian, La Vieille.
Tacquet river, New Brunswick.
Fragment of Holotype - Roy. Ont. Mus. Pal. 23165
(Holotype Geol. Sur. Can.). = 939 S

INGOSTROMA PARALLELLUM Parks - Fragment of Holotype
Parks, W.A., Univ. Tor. Studies, geol. ser., No. 5,
1908, p. 54, pl. X, figs. 3, 4, 6.
Middle Silurian, Niagaran.
Summond island, Lake Huron.
Fragment of Holotype - Roy. Ont. Mus. Pal. 21944
(Holotype U.S. Nat. Mus. 36934). = 1775 N

39
4 27366, 27373, 27377, 27381, 27380
27374

TRUPETOSTROMA CORALVILLENSE (Thomas) -- Fragment of
Cotype

Stromatopora coralvillense Thomas

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 60, pl. X, figs. 7, 8.

Upper Devonian, Coralville-Cedar Valley.
Coralville, Ohio.

Fragment of Cotype - Roy. Ont. Mus. Pal. 13212 =
(Cotype Geol. Coll. Iowa State Univ. 2600). 2623 D.

TRUPETOSTROMA(?) ERRATICUM (Hall and Whitfield) --
Plesiotype

Stromatopora erratica H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 74, pl. XII, figs. 7, 8.

Upper Devonian, Cedar Valley limestone.
Charles City, Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 13215. = 2626 D (B)

TRUPETOSTROMA(?) INCRUSTANS (Hall and Whitfield) --
Plesiotype

Coenostroma incrustans H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 71, pl. XI, fig. 8; pl. XII, fig. 1.

Upper Devonian, Hackberry group.
Hackberry Grove, Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 12547. = 1932 D

TRUPETOSTROMA IOWENSE Parks -- Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 57, pl. X, figs. 3-6.

Upper Devonian, Cedar Valley.
Mason City, Iowa.

Holotype - Roy. Ont. Mus. Pal. 13148. = 2559 D

TRUPETOSTROMA MACULOSUM Parks -- Holotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 67, pl. XI, figs. 4-6.

Upper Devonian, Cedar Valley.
Charles City, Iowa.

Holotype - Roy. Ont. Mus. Pal. 13215. = 2626 D (A)

TRUPETOSTROMA PLANULATUM (Hall & Whitfield) - Plesiotype

Cœnopora planulata H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 62, pl. XI, figs. 1-3.

Upper Devonian, Hackberry shale.

Hackberry Grove, Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 12549. = 1935 D.

TRUPETOSTROMA SOLIDULUM (Hall & Whitfield) - Plesiotype

Stromatopora-Coenostroma-solidula H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 65, pl. XII, figs. 3, 4.

Upper Devonian, Hackberry shale.

Rockford, Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 11905. = 1899 D.

RUPETOSTROMA SOLIDULUM (Hall & Whitfield) - Plesiotype

Stromatopora-Coenostroma-solidula H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
p. 65, pl. XII, figs. 2, 6.

Upper Devonian, Hackberry group.

Hackberry creek, Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 11906. = 1900 D.

RUPETOSTROMA SOLIDULUM (Hall & Whitfield) - Plesiotype

Stromatopora-Coenostroma-solidula H. & W.

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 65, pl. XII, fig. 5.

Upper Devonian, Hackberry group.

Iowa.

Plesiotype - Roy. Ont. Mus. Pal. 13213. = 2624 D.

RUPETOSTROMA WARRENI Parks -- Fragment of Diplotype

Parks, W.A., Univ. Tor. Studies, geol. ser., No. 39,
1936, p. 55, pl. X, figs. 1, 2.

Middle Devonian, Presquile dolomite.

Great Slave lake, Alberta.

Fragment of Diplotype - Roy. Ont. Mus. Pal. 13197

(Diplotype Dv. 677 Univ. Alberta). = 26080

GRAPTOZOA

ACANTHOGRAPTUS GRANTI Spencer -- Plesiotype
 Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, pl. II,
 fig. 1.
 Middle Silurian, Lockport.
 Hamilton, Ontario.
 Plesiotype - Roy. Ont. Mus. Pal. 21632. ✓

ACANTHOGRAPTUS MULTISPINUS Gurley (MSS) -- Heautotype
 Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1911
 Middle Silurian, Lockport.
 Hamilton, Ontario.
 Heautotype - Roy. Ont. Mus. Pal. 21627. X

BRYOGRAPTUS PATENS Matthew -- Cotypes 3
 Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
 1892, p. 95, pl. VII, figs. 1a-d.
 St. John Group, Bretonian, Div. C. 3b.
 Navy island, St. John, New Brunswick.
 Cotypes - Roy. Ont. Mus. Pal. 8407.

BRYOGRAPTUS PATENS Matthew -- ~~Cotypes 22~~ Hypotype
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 1895, pl. XLVIII, figs. 4a-c.
 St. John Group, Bretonian, Div. C. 3c.
 Navy island, St. John, New Brunswick.
 Cotypes - Roy. Ont. Mus. Pal. 7998.

BRYOGRAPTUS PATENS Matthew -- Metatypes 2
 Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
 1892, p. 95.
 St. John Group, Bretonian, Div. C. 3c.
 Navy island, St. John, New Brunswick.
 Metatypes - Roy. Ont. Mus. Pal. 8025. X

BRYOGRAPTUS SPINOSUS (Matthew) -- ~~Cotype~~ Hypotype
 Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV,
 p. 269, pl. XLVII, figs. 3a,b.
 St. John Group, Bretonian, Div. C. 3c.
 Navy island, St. John, New Brunswick.
 Cotype - Roy. Ont. Mus. Pal. 8024.

BRYOGRAPTUS SPINOSUS (Matthew) -- Cotypes 10
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1892, p. 97.
St. John Group, Bretonian, Div. C. 3b.
Navy island, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8460.

BRYOGRAPTUS SPINOSUS (Matthew) -- Metatypes 4
Matthew, G.F., Trans. Roy. Soc. Canada, Sect. IV,
1892, p. 97. X
St. John Group, Bretonian, Div. C. 3c.
Navy island, St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8465.

CALYPTOGRAPTUS MICRONEMATODES Spencer -- Neotype- Hypotype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 40,
fig. 50.
Middle Silurian, Lockport.
Hamilton, Ontario.
Neotype - Roy. Ont. Mus. Pal. 21626.

CALLOGRAPTUS MINUTUS ALTUS Gurley (MSS) -- Cotypes 2
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 15,
fig. 16. Holotype
Middle Silurian, Lockport. Paratype
Hamilton, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 21625.

CLIMACOGRAPTUS AEQUALIS Parks -- Holotype
Parks, W.A., Trans. Roy. Soc. Canada, Sect. IV,
1928, p. 65, pl. I, fig. 2. ✓
Middle Ordovician, Upper Collingwood.
Craigleith, Ontario.
Holotype - Roy. Ont. Mus. Pal. 259U.

CLIMACOGRAPTUS AEQUALIS Parks -- Metatypes 3
Parks, W.A., Trans. Roy. Soc. Canada, Sect. IV,
1928, p. 65. X
Middle Ordovician, Upper Collingwood.
Craigleith, Ontario.
Metatypes - Roy. Ont. Mus. Pal. 260U.

CLIMACOGRAPTUS MANITOULINENSIS Caley -- Holotype
Caley, J.F., Geol. Soc. Can. Mem. 202, 1936, p. 66,
fig. 1, (centre). ✓
Upper Ordovician, Sheguiandah.
Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 17755.

CLIMACOGRAPTUS MANITOULINENSIS Caley -- Paratypes 2
Caley, J.F., Geol. Soc. Can. Mem. 202, 1936, p. 66,
fig. 1, (right and left). ✓
Upper Ordovician, Sheguiandah.
Manitoulin island, Ontario.
Paratypes - Roy. Ont. Mus. Pal. 17756.

CLIMACOGRAPTUS PROLIFICUS Parks -- Cotypes 3
Parks, W.A., Trans. Roy. Soc. Canada, Sect. IV, 1928,
p. 61, figs. 4, 5. ✓
Middle Ordovician, Upper Collingwood.
Camperdown, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 264U.

CLIMACOGRAPTUS ROUGENSIS Parks -- Cotypes 3
Parks, W.A., Trans. Roy. Soc. Canada, Sect. IV, 1928, ✓
p. 63, figs. 6-8.
Upper Ordovician, Middle and Upper Gloucester.
Rouge river, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 268U.

CLIMACOGRAPTUS TYPICALIS Hall -- Plesiotype
Parks, W.A., Trans. Roy. Soc. Canada, Sect. IV, 1928, ✓
p. 64, fig. 9.
Middle Ordovician, Upper Collingwood.
Craigleith, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 296U.

CLONOGAPTUS PROXIMATUS Matthew -- Cotypes 15
Matthew, G.F., Trans. N.Y. Acad. Sci., Vol. XIV, ✓
1895, p. 265, pl. XLVIII, figs. 1a-d.
St. John Group, Bretonian, Div. C. 3c.
Navy island, St. John, New Brunswick.
Cotypes - Roy. Ont. Mus. Pal. 8513.

CYCLOGRAPTUS ROTADENTATUS Spencer -- Neotype
Spencer, J.W., Trans. Acad. Sci. St. Louis, 4, 1884,
p. 592. X

Middle Silurian, Lockport.

Hamilton, Ontario.

Neotype - Roy. Ont. Mus. Pal. 21623.

not a
type

DENDROGRAPTUS Sp. indet -- Holotype

GLOSSOGRAPTUS Sp. indet -- Holotype ✓

Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol.
XXXII, pt. VII, 1923, p. 3, pl. I, fig. 2; p. 9, pl.
I, fig. 10.

Upper Ordovician, Dundas.

Don Valley brickyard, Toronto, Ontario.

Holotypes - Roy. Ont. Mus. Pal. 17482 -- On same slab.

DENDROGRAPTUS PRIMORDEALIS Matthew -- Cotypes 4 ✓

Matthew, G.F., Trans. Roy. Soc. Canada, Vol. III,
Sect. IV, 1885, p. 31, pl. V, figs. 5, 5a, 5b.

St. John Group, Acadian.

Porter's brook, New Brunswick.

Cotypes - Roy. Ont. Mus. Pal. 8273.

DENDROGRAPTUS RAMOSUS Spencer -- Plesiotype

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 8,
text fig. 9, pl. I, fig. 3. ✓

Middle Silurian, Lockport.

Hamilton, Ontario.

Plesiotype - Roy. Ont. Mus. Pal. 21629.

DICTYONEMA CRASSIBASALE Gurley (MSS) -- Metatypes 2

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 19. X

Middle Silurian, Lockport.

Hamilton, Ontario.

Metatypes - Roy. Ont. Mus. Pal. 21641.

DICTYONEMA EXPANSUM Spencer -- Neotype

Hypotype

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 33,
fig. 37.

Middle Silurian, Lockport.

Hamilton, Ontario.

Neotype - Roy. Ont. Mus. Pal. 21609.

DICTYONEMA EXPANSUM Spencer -- Metatype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 31. X
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatype - Roy. Ont. Mus. Pal. 21044.

DICTYONEMA FLABELLIFORME ACADICUM Matthew -Metatypes 3
Matthew, G.F., Trans. Roy. Soc. Canada, Vol. IX, X
Sect. IV, 1891.
St. John Group, Bretonian, Div. C. 3c.
Navy island, St. John, New Brunswick.
Metatypes - Roy. Ont. Mus. Pal. 8284.

DICTYONEMA PARALLELUM Gurley (MSS) -- Metatype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 37. X
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatype - Roy. Ont. Mus. Pal. 21638.

DICTYONEMA RETIFORME (Hall) -- Plesiotypes 2
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 19, V
figs. 19, 20.
Middle Silurian, Lockport.
Hamilton, Ontario.
Plesiotypes - Roy. Ont. Mus. Pal. 21610.

DICTYONEMA SUBRETIFORME (Spencer) -- Metatypes 2
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 26. X
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatypes - Roy. Ont. Mus. Pal. 21608.

DICTYONEMA TENELLUM Spencer -- Plesiotype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 29, ✓
fig. 33.
Middle Silurian, Lockport.
Hamilton, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 21642.

DICTYONEMA TENELLUM Spencer -- Metatypes 4
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 29.
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatypes - Roy. Ont. Mus. Pal. 21639.

DICTYONEMA WEBSTERI Dawson -- Topotypes 4
Dawson, J.W., Acadian Geology, 2nd ed., 1868, p. 563,
fig. 196.
Silurian
King's county, Nova Scotia.
Topotypes - Roy. Ont. Mus. Pal. 22709.

DIPLOGRAPTUS FOLIACEUS VESPERTINUS Ruedemann --
Plesiotypes 2
Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol.
XXXII, pt. 7, 1923, pl. I, figs. 8, 13.
Upper Ordovician, Dundas.
Humber river, Toronto.
Plesiotypes - Roy. Ont. Mus. Pal. 17485.

DIPLOGRAPTUS FOLIACEOUS CORRELENSIS Caley -- Holotype
Caley, J.F., Geol. Sur. Can. Mem. 202, 1936, p. 66,
fig. 2.
Upper Ordovician, Wekwemikongsing.
Gorrel point, Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 17745.

DIPLOGRAPTUS FOLIACEOUS CORRELENSIS Caley - Metatypes 9
Caley, J.F., Geol. Sur. Can. Mem. 202, 1936,
p. 66.
Upper Ordovician, Wekwemikongsing.
Gorrel point, Manitoulin island, Ontario.
Metatypes - Roy. Ont. Mus. Pal. 17746.

DIPLOGRAPTUS MONTIS Parks -- Cotypes 3
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 66, text figs. 11-13; pl. I, fig. 4.
Upper Ordovician, Blue Mountain.
Camperdown, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 265U.

DIPLOGRAPTUS SIMILIS Caley -- Holotype
Caley, J.F., Geol. Sur. Can. Mem. 202, 1936, p. 68,
fig. 3. ✓
Upper Ordovician, Wekwemikongsing.
Clay cliff, Manitoulin island, Ontario.
Holotype - Roy. Ont. Mus. Pal. 17744.

DIPLOGRAPTUS THECALIS Parks -- Holotype
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 67, pl. I, fig. 3. ✓
Upper Ordovician, Blue Mountain.
Camperdown, Ontario.
Holotype - Roy. Ont. Mus. Pal. 258U.

DIPLOGRAPTUS THECALIS Parks -- Paratype
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 67, pl. I, fig. 14.
Upper Ordovician, Blue Mountain.
Camperdown, Ontario.
Paratype - Roy. Ont. Mus. Pal. 21193.

DIPLOGRAPTUS Sp. Parks -- Holotype
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 69, fig. 15. Hypo
Middle Ordovician, Collingwood.
Camperdown, Ontario.
Holotype - Roy. Ont. Mus. Pal. 262U.

DIPLOGRAPTUS Sp. Parks -- Holotype
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 69, fig. 15. Hypo
Middle Ordovician, Collingwood.
Camperdown, Ontario.
Holotype - Roy. Ont. Mus. Pal. 263U.

DIPLOGRAPTUS Sp. Parks -- ~~Holotype~~ 2
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
p. 69, figs. 17, 18. Hypo
Middle Ordovician, Collingwood.
Camperdown, Ontario.
Cotypes - Roy. Ont. Mus. Pal. 274U.

LOSSOGRAPTUS QUADRIMUCRONATUS Hall -- Plesiotype
Parks, W.A., Roy. Soc. Canada, Vol. XXII, Sect. IV,
1928, p. 65, fig. 10.
Upper Ordovician, Blue Mountain.
Camperdown, Ontario.
Plesiotype - Roy. Ont. Mus. Pal. 267U. ✓

FOCAULIS DIFFUSUS Spencer -- Metatype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 52.
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatype - Roy. Ont. Mus. Pal. 21644. X

OCAULIS DIFFUSUS Spencer -- Metatype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 52.
Middle Silurian, Lockport.
Hamilton, Ontario.
Metatype - Roy. Ont. Mus. Pal. 21612. X

CAULIS PHYCOIDES Spencer -- Heautotypes 2
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 51.
Middle Silurian, Lockport.
Hamilton, Ontario.
Heautotypes - Roy. Ont. Mus. Pal. 21620. X
not publ.

CAULIS RAMULOSUS Spencer -- Heautotype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 49.
Middle Silurian, Lockport.
Hamilton, Ontario.
Heautotype - Roy. Ont. Mus. Pal. 21619. X
not publ.

AULIS(?) STRICTUS Gurley -- Holotype
Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 54,
ext fig. 71; pl. II, fig. 6.
Middle Silurian, Lockport.
Hamilton, Ontario.
Holotype - Roy. Ont. Mus. Pal. 21621. ✓
not publ.

INOCAULIS YORKENSIS Fritz

Holotype

Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol. XXXII, pt. VII, 1923, p. 3, text fig. 1; pl. I, fig. 9. Upper Ordovician, Dundas. Toronto, Ontario.

Holotype - Roy. Ont. Mus. Pal. 17132.

NASTIGOGRAPTUS GRACILLIMUS (Lesquereux) -- Plesiotype

Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol. XXXII, pt. VII, 1923, p. 6, pl. I, figs. 3, 14.

Upper Ordovician, Dundas.

Don Valley brickyard, Toronto.

Plesiotype - Roy. Ont. Mus. Pal. 17483.

MASTIGOGRAPTUS(?) QUADRIBRACHIATUS Fritz -- Holotype

Fritz, M.A., 32nd Ann. Rept. Ont. Dept. Mines, Vol. XXXII, pt. VII, 1923, p. 6.

Upper Ordovician, Dundas.

Don Valley brickyard, Toronto.

Holotype - Roy. Ont. Mus. Pal. 17541.

ODONTOCAULIS OBPYRIFORMIS Gurley -- Holotype

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 43, fig. 55.

Middle Silurian, Lockport.

Hamilton, Ontario.

Holotype - Roy. Ont. Mus. Pal. 21622.

REIZOGRAPTUS BULBOSUS Spencer -- Metatype

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 41.

Middle Silurian, Lockport.

Hamilton, Ontario.

Metatype - Roy. Ont. Mus. Pal. 21664.

THALINOGRAPTUS BARTONENSIS Spencer -- Metatype

Bassler, R.S., Bull. U.S. Nat. Mus. 65, 1909, p. 62.

Middle Silurian, Lockport.

Hamilton, Ontario.

Metatype - Roy. Ont. Mus. Pal. 21635.

